



3423

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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: *Nash*

DESCRIPTIVE REPORT.

Hydro Sheet No. *3423*

LOCALITY:

Olympia Harbor

1913

CHIEF OF PARTY:

R. B. Derickson

11-4645

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Hydrographic Sheet 3423.

of

Olympia Harbor,

Budd Inlet, Washington.

Scale 1:5000

Str. GEDNEY.

R.B. Derickson, Asst. Henry Bernhardt; Mate;

Chief of Party Hydrographer.

1913.

C. & G. SURVEY,
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Descriptive Report

to

accompany

Hydrographic Sheet of Olympia Harbor,

Budd Inlet, Puget Sound, Wash. **

Scale 1:5000

R.B. Derickson, Assistant,

Chief of Party

Henry Bernhardt, Mate,

Hydrographer.

3423

Descriptive Report of hydrography in
Olympia, Washington.

Executed during the month of February 1913

By party of R.B. Derickson, Asst..

Commanding C. & G. S. S. GEDNEY.

The sounding was done from the ship's whaleboat, and the area covered was principally for the purpose of developing the mud flats and shoals from the head of the harbor (southend) to Priest Point.

The work covers an area of about 1.2 sq. miles and the soundings will mostly reduce to minus depths.

No attempt was made to go over the work done by the U.S. Engineers in the dredged channels leading to the wharf at Olympia, and report for navigational purposes is therefore omitted.

Blue prints of work executed by the U.S. Engineers is herewith attached.

A tide staff was established at Percivals Dock and continuous observations from January 4th to February 17th were made. The plane of reference for the reduction of soundings is 2 ft. below the mean of lower low waters as observed one lunar month, and corresponds to 4.5 feet on the staff.

The projection was made in the field and four triangulation signals plotted thereon by their geographic positions. The other signals used in the hydrographic work were located by the topographic party with the plane table, and they and the shoreline were transferred from the topographic sheet.

Approved and forwarded,

R.B. Derickson
Asst., Comdg.

Respectfully submitted,

Henry Bernhardt
Mate, C. & G. Survey.
Hydrographer.

STATISTICS OF HYDROGRAPHY. EXECUTED IN
OLYMPIA HARBOR, WASH.

C. & G. SURVEY,
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Date 1913:		Letter.	color:	Vol:	Positions:	Soundings:	Miles	Boat
							Statue	
Feb.	3rd.	a	blue	1	23	172	3.0	Whaleboat.
"	5th	b	"	1	76	422	6.0	"
"	6th	c	"	1	77	429	5.5	"
"	7th	d	"	2	77	434	6.0	"
"	8th	e	"	2	41	142	2.0	"
"	10th	f	"	2	48	231	3.5	"
"	12th	g	"	3	56	227	3.0	"
"	13th	h	"	3	44	219	3.6	"
"	14th	i	"	3	59	251	4.0	"
"	15th	j	"	3	40	236	3.0	"
"	17th	k	"	3	43	150	3.0	"
TOTAL				3	584	2913	42.0	

VEC
Apr. 25, 1913

HYDROGRAPHIC SHEET 3423.

Olympia Harbor, Budd Inlet, Puget Sound, Washington,
by Assistant R. B. Derickson in 1913.

TIDES.

Olympia
ft.

2 feet below mean lower low
water or plane of reference on staff 5.5

Lowest tide observed	"	"	2.7
Highest	"	"	23.3
Mean range of tide			10.8

~~Coast and Geodetic Survey~~
APR 25 1913
TIDAL DIVISION

Department of Commerce and Labor

Hyd. Sheet #3423+

The positions on this sheet were plotted by the field party and have been accepted as correct, although checked in numerous places where errors were thought possible.

By looking at the sheet it will appear, that no attempt was made to develop the dredged channels. With this exception, the work has been systematically arranged, executed very well, the mud flats and shoal places sufficiently developed, the crossings, on the average, being very close.

J.P. ShKean

Aug. 9-1913

Verified, J.D. Torrey. 11/6/13